The MARYLAND STATE HORTICULTURAL SOCIETY

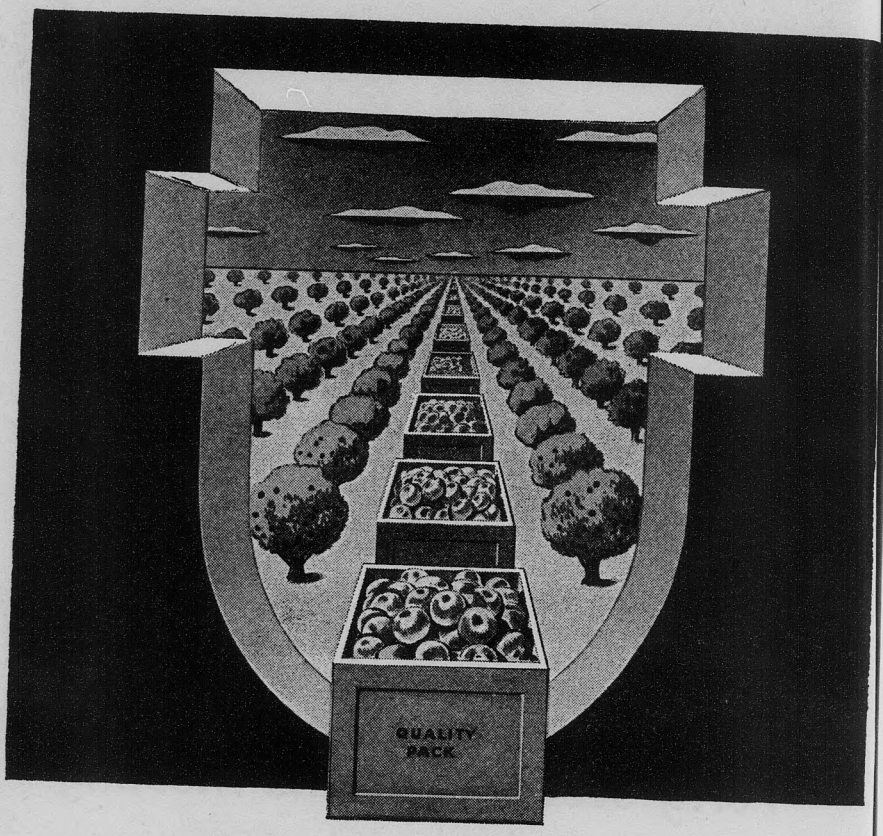
Program

OF

Forty-Seventh Annual Meeting

January 3-4, 1945

Hotel Alexander
Hagerstown, Md.



Helping to bring the crops through . . .

The consistent high quality of Orchard Brand materials and their reliable performance in the field . . . *plus* the service involved in getting these materials to growers uninterrupted even under present day conditions . . . have helped bring through the crops in 1944 as in the past.

This is just one of the reasons why Orchard Brand is a leading choice of commercial growers everywhere, *year in and year out . . . A good* reason why Orchard Brand will again top the list on so many spray programs *for the growing season ahead!*

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PROGRAM

Forty-Seventh Annual Meeting

THE MARYLAND STATE HORTICULTURAL SOCIETY

HOTEL ALEXANDER—HAGERSTOWN, MARYLAND

JANUARY 3 AND 4, 1945

GENERAL INFORMATION

All meetings will be held in the Ball Room, Hotel Alexander, located on Public Square.

Unlimited parking space or outdoor or indoor parking space or storage are available within 2 blocks of the Hotel.

Representatives of orchard spray machinery firms will have small exhibits, located in the corridor adjoining the meeting room.

Time of discussions and appearance of speakers is not exact, but every effort will be made to follow the program as arranged.

Meetings are open to all, and discussion is invited. This is a place for discussing growers' problems.

ANNUAL DINNER in Main Dining Room, Hotel Alexander, at 6:30 p. m. Wednesday. Bring the ladies. GET TICKETS EARLY.

Any person may join the Society. Growers with large or small acreages are invited to become members. Organized growers can better solve their economic and legislative problems. Membership includes subscription to The American Fruit Grower Magazine, also the Monthly News-Letter, The Maryland Fruit Grower and The Annual Proceedings of the Meetings. One year's membership (beginning January and ending December 31) is TWO DOLLARS. Sign up at the meetings or send check to the Secretary.

WEDNESDAY MORNING PROGRAM—PAGE 2

WEDNESDAY AFTERNOON AND EVENING PROGRAM—PAGE 8

THURSDAY MORNING PROGRAM—PAGE 14

THURSDAY AFTERNOON PROGRAM—PAGE 18

INDEX OF ADVERTISERS—PAGE 12

PROGRAM

Wednesday Morning, January 3

10:00—Movie—Wartime Care of Your Tractor. By courtesy John Deere, Moline, Illinois.

10:40—New Methods and New Fungicides for Control of Some Orchard Diseases.—Robert H. Daines, Assistant Plant Pathologist, New Jersey Agricultural Experiment Station, New Brunswick, New Jersey.

Question Box—Submitted by growers.
How control apple scab in orchards with poor air and water-drainage?
What is the latest on bitter-rot control on apples?
Can apple black-rot be controlled?
Is bacterial spot on peach increasing? How controlled?

11:20—Grower Experiences in the Use of De-Blossoming Sprays as an Aid in Peach and Apple Thinning.
Dwight T. Walker, Mt. Airy (Illustrated)
Stanley M. Fulton, Hancock
Fulton W. Allen, Salisbury
Eugene W. Scott, Rockville
Discussion Leader—E. C. McFadden, Hagerstown

Question Box—Submitted by growers.
What is a good fire-blight control?
How seriously do oil sprays affect foliage functions?
Is there a practical control for leaf-hopper?
Is peach drying equipment practical?

NOTES

WEDNESDAY AFTERNOON AND EVENING PROGRAM—PAGE 8

Read Every Advertisement.

Now is the time to investigate

the DOW

Control Program

Right now is the time to begin planning for the protection of your 1945 crops. It is time to determine what precautions you must use in the light of last year's experience and in anticipation of special problems which may develop.

Complete control with Dow

Whatever your problem, there is a Dow insecticide to help solve it . . . Dowspray Dormant and DN-Dry Mix for dormant application on apples . . . Dow Arsenate of Lead, "Mike" Wettable Sulfur and Dow Dry Lime Sulphur for later use on a variety of fruits . . . Bordow for cherry leaf spot . . . DN-Dust No. 4 and DN-111 for summer control of red mite and leaf hopper on apples . . . Paradow for peach borer . . . App-L-Set to prevent pre-harvest drop of apples and pears.

Write today for complete information on how the Dow Control Program can help you to get bigger, better fruit during the coming season—with less expense and trouble.

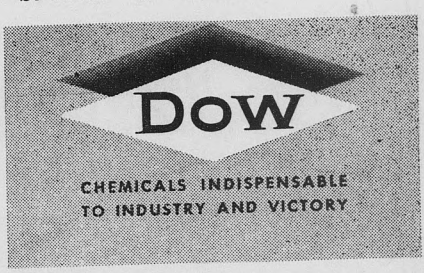
THE DOW CHEMICAL COMPANY

Midland **Michigan**

New York • Chicago • St Louis • Houston

Insecticides

There's a Dow Product for practically every spraying and dusting need. For complete information, see your dealer or state experiment station or write us.



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RICE, TREW & RICE COMPANY

MANUFACTURERS

of

Paper Supplies

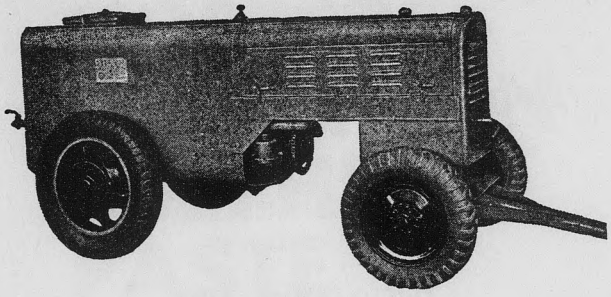
for

FRUITS AND VEGETABLES

Always At your Service

Main Office: Biglerville, Pennsylvania

Order Supplies Early.



"I Want the Dependability of the High-Pressure Bean Pump

"The hours my sprayer is at work are the critical hours of the year, and I want an outfit I can depend upon . . . absolutely!

"The ability to keep going . . . to put full-rated capacity through the nozzles . . . and to drive the spray clear to the top center of the trees . . . steady, trouble-free operation . . . that's what I want in a spray outfit."

It's the pump that counts in a sprayer, and the High-pressure BEAN Royal is unsurpassed for top-performance and freedom from mechanical troubles.

JOHN BEAN MFG. CO.

Lansing 4, Michigan

(Div. Food Machinery Corporation)

TO THE

APPLE GROWERS OF MARYLAND

AND THE MEMBERS OF

THE MARYLAND
STATE HORICULTURAL SOCIETY

we extend our best wishes

It has been a pleasure to serve you our

SUNSET OILED APPLE WRAPS

and

SUNSET SHREDDED OILED PAPER

Fred C. Strype, Inc.

NEW YORK, N. Y.

KOPPERS FLOTATION SULPHUR PASTE

Minimum Sulphur Content, 40%

Easy to Mix

Inherently wettable

Sets quickly on fruit and foliage

Redistributes readily to give additional protection to new growth

Friendly toward tender foliage

Its fine particle size guarantees effective control

Widely used by leading fruit growers

ASK FOR KOPPERS!

Koppers Company, Inc., Tar and Chemical Division

Pittsburgh, Pennsylvania

PROGRAM

Wednesday Afternoon, January 3

2:00—Invocation—Rev. Paul M. Robinson, Church of the Brethren, Hagerstown, Maryland.

2:05—President's Remarks—Dwight T. Walker, Mt. Airy, Maryland.
Report of the Secretary-Treasurer—Albert F. Vierheller, College Park, Maryland.
Appointment of Committees.

2:20—THE CODLING MOTH—How and When Can This Insect be Controlled in Eastern Orchards?—Bennett A. Porter, Senior Entomologist, Bureau of Entomology and Plant Quarantine, U. S. Department of Agriculture, Washington, D. C.

3:00—D.D.T. Maryland Results in Codling Moth Control with This New Insecticide.—Castillo Graham, Extension Entomologist, University of Maryland, College Park, Maryland.

3:20—Grower Experiences in Control of Codling Moth.—
F. M. Frederickson, Mt. Jackson, Virginia
Harvey B. Raffensperger, Arendtsville, Pennsylvania

3:40—Spray Application—How Get Thorough Spray Coverage on Apple and Peach Trees?
Grower Discussion—
Stanley M. Fulton, Hancock
William W. Moore, Sandy Spring
D. Eldred Rinehart, Smithsburg
Sherman B. Waddell, New Windsor
Discussion Leader—Ernest N. Cory, State Entomologist, College Park, Maryland.

Question Box—Submitted by growers.
What about the Speed Sprayer?
Is there a practical spray for killing poison ivy?
What is the best type of spray nozzle?
Is the pink spray on peaches a necessity?
What about basic lead arsenate versus acid lead arsenate on peaches?
Which is best—Black Leaf 40 or Black Leaf 155?

6:30—ANNUAL DINNER—Main Dining Room
Music-Entertainment

NOTES

THURSDAY MORNING PROGRAM—PAGE 14

Delay May Not Pay. Order Now.

We Specialize . . .

In Furnishing the

FRUIT GROWERS

With the Following Goods

BASKET CAPS	DOUBLE FACE BOARD
BASKET LINERS	BOX LINERS
BASKET FRINGES	BOX CUSHIONS
BASKET CUSHIONS	OIL WRAPS
PACKING SETS	SHREDDED PAPER

F. A. READ, Inc.

Winchester, Va. **Albion, N. Y.**

Ask Your Dealer for READ'S Goods

Buy Pennsylvania Grown

FRUIT TREES

GROWN HERE IN ADAMS COUNTY BEST FRUIT SOIL—WE OFFER A COMPLETE LINE OF ALL LEADING VARIETIES OF FRUITS GROWN AND SOLD DIRECT FROM THE NURSERY TO THE PLANTER.

Write for Catalogue

Adams County Nursery and Fruit Farms

H. G. BAUGHER, Prop.

ASPERS, Adams County, PA.

HAVE SPECIALIZED IN FRUIT TREES SINCE 1905

Read the Ads. Do It Now.

at the sign of QUALITY!

A cooperative service with a complete line of Fertilizer, Spray Materials, and Orchard Supplies. Savings from cooperative buying are annually returned to patrons in patronage funds.

See Your Nearest Cooperative Service Agency

Southern States Cooperative

RICHMOND, VIRGINIA

Read All the Ads Again.

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Baskets — Boxes — Liners — Cushions
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Martinsburg, W. Va.

INDEX OF ADVERTISERS

	Page
General Chemical Company, New York, N. Y.	Inside Front Cover
Dow Chemical Company, Midland, Mich.	3
Rice, Trew and Rice, Biglerville, Penna.	4
John Bean Manufacturing Company, Lansing, Mich.	5
Fred C. Strype, New York, N. Y.	6
Koppers Company, Pittsburgh, Penna.	7
F. A. Read, Albion, N. Y.	9
Adams County Nurseries, Aspers, Penna.	10
Southern States Cooperative, Richmond, Va.	11
G. Mose Parkins, Martinsburg, W. Va.	12
Warner Company, Philadelphia, Penna.	13
Lupton Orchard Service Company, Winchester, Va.	13
California Spray-Chemical Corporation, Elizabeth, N. J.	15
Jersey Package Company, Bridgeton, N. J.	16
Miller Chemical and Fertilizer Corporation, Baltimore, Md.	17
Rain and Hail Insurance Bureau, New York, N. Y.	19
F. E. Myers & Bro. Co., Ashland, Ohio	20
Niagara Sprayer and Chemical Company, Middleport, N. Y.	21
Hardie Manufacturing Company, Hudson, Mich.	23
American Potash Institute, Washington, D. C.	24
Central Chemical Corporation, Hagerstown, Md.	24
Marvil Package Company, Laurel, Del.	Inside Back Cover
B. G. Pratt Company, Hackensack, N. J.	Outside Back Cover

Annual Meeting

Maryland Farm Bureau
Maryland Agricultural Society and Affiliated Farm Organizations
January 10 and 11, 1945

Maryland Horticultural Council
January 10, 1945

Apple Exhibit. Potato and Corn Show
January 10 and 11, 1945

All These Events To Be Held at
Lord Baltimore Hotel, Baltimore

Get Supplies and Equipment Now.

Choose and Use WARNER Limes

USE
"BELL MINE"
High Calcium Limes
for Spraying and Dusting

USE
"CEDAR HOLLOW"
High Magnesium Limes
for Soil Treatment

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219 North Broad Street
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Grabill Manufacturing Company

Manufacturers of

Fruit and Vegetable

Graders — Washers — Waxers

and

Packing House Equipment

Plant:
Woodstock, Va.

Office:
Winchester, Va.

Have You Read All the Ads?

PROGRAM

Thursday Morning, January 4

9:30—Report of Maryland Committee on Post-War Plans for Maryland Fruit Industry.—Stanley M. Fulton, Chairman.

10:00—Safeguarding the Orchard Investment in the Post-War Period—
Samuel H. DeVault, Head, Agricultural Economics, University of Maryland, College Park, Maryland.
Discussion Leader—John P. Caspar, Hancock.

10:45—Reports of Committees

11:00—Grower Experiences in Building Orchard Soils—
D. Eldred Rinehart, Smithsburg
E. C. McFadden, Hagerstown
Fulton W. Allen, Salisbury
W. C. Main, Hagerstown
Stanley M. Fulton, Hancock

11:35—Solving Some Problems Confronting Peach Growers in 1944 and 1945—
Grower Discussion
Russell C. Shaw, Stewartstown
G. William Gardenhour, Smithsburg
Hiram F. Hershey, Hamburg, Pa.
J. Andrew Cohill, Hancock
Joseph G. Harrison, Berlin

NOTES

THURSDAY AFTERNOON PROGRAM—PAGE 18

Read Every Advertisement.

* Reg. U. S. Pat. Off.

ELGETOL

Bud moth, second only to codling moth as an orchard pest in many districts, is killed by Elgetol. Rosy aphids, green aphids and grain aphids are controlled by it. This dinitro dormant spray—ovicidal and insecticidal—contains no oil.

KLEENUP

Where redmite, hatching green apple aphids, grain aphids, rosy apple aphids, pear psylla, fruit tree leaf roller, oyster shell, San Jose, cottony peach or Lecanium scales are present, Kleenup Dormant Oil Spray should be used.

The dormant trees harbor dormant pests. Bud moth and aphids have left their eggs —and scales their spores—overwintering on the trees, waiting the touch of spring.

Left to emerge, these pests will be difficult to control. In the dormant stage you have a clear field to clean them out with Elgetol Dinitro Spray and Kleenup Dormant Oil Spray.

Spraying infested apple, pear, cherry and peach orchards has a double advantage. It controls these over-wintering pests and gives later sprays full opportunity to do a better job.

Ask your Experiment Station for recommendations or consult the ORTHO fieldman in your area.

CALIFORNIA SPRAY-CHEMICAL CORPORATION

ELIZABETH, NEW JERSEY

Placing Your Rated Orders NOW Will Better Enable Us To Adequately Serve You With Quality Baskets.

Vision in Your Needs, Character in Presenting Them

Jersey Package Company

Bridgeton, New Jersey

Phone 473

Order Now. Have It Later.

It's Time To Arrange For

MILLER

Sprays - Dusts

HY-TOX—83—OIL EMULSION

An oil emulsion that includes all the latest improvements both in ease of handling and application—This oil is designed to withstand extreme temperatures—Gives a very fine particle size, from 1 to 3 microns—Leaves a very heavy oil deposit—Spreads evenly—Adapted for dormant Apple or Peach Spray. Compatible with Dinitro compounds, Bordeaux or neutral copper, as a fungicide.

MISCIBLE OIL—96% Oil Substance

Will not freeze or deteriorate—Excellent spreading qualities. Mixes readily with water to give a very fine particle size, less than 1 micron. Compatible with neutral copper or Dinitro compounds as a fungicide to control Peach Leaf Curl.

ORTAZOL DINITRO POWDER

An extremely fine powder to kill aphis eggs. Combines readily with Hy-Tox 83 or Miscible Oil or water alone. Due to its extreme fineness and solubility, Ortazol has no equal or superior.

SUMMER OIL "V" — **WETTABLE SULPHUR**

NU-FILM Sticker — **V-33 ROTENONE DUST**

The popular MILLER line includes a quality spray or dust for every common insect or fungus disease affecting fruit or vegetables.

Our staff of trained field men is available to help you with spraying or dusting problems.

MILLER CHEMICAL & FERTILIZER CORP.

BALTIMORE, MD. U. S. A.

Order Supplies Early.

PROGRAM

Thursday Afternoon, January 4

1:30—Costs of Producing Apples and Peaches in Maryland. Their Relation to Prices and Production Practices.—A. Lee Schrader, Research Horticulturist, University of Maryland, College Park, Maryland.

2:10—Did the National Peach Council Pay Dividends?—Carroll R. Miller, Secretary, Martinsburg, West Virginia.

2:25—Question Box—Submitted by growers.
Discussion Leader—Dwight T. Walker, Mt. Airy.

How increase fruit consumption?
What is the effect of price ceilings?
What is the future of frozen apples and peaches?
What is a reasonable profit per acre of orchard?
Are good cannery prices spoiling the grower?
Do we need more processors?
What income tax pointers should a fruit grower have?
Are farm cold storages practical?
Are bud sports of apple proving their worth?
Can we get more machinery and packages next year?
What's new in consumer packages?

ADJOURNMENT

NOTES

A Friend in Deed!

THE RAIN AND HAIL INSURANCE BUREAU is your best friend when hail strikes your farm and you own a Hail Insurance Policy with one of its member companies. As explained in your Policy, you report the hail damage within two days. Your claim is immediately assigned to competent adjusters.

Your damage is appraised and you are paid, just before you harvest your crop. The amount you collect depends on the extent of your damage and the amount of Hail Insurance you have purchased.

This year, of all years, you need the protection of Hail Insurance. Your crop represents a big investment and a big return. Don't let hail rob you! Buy Hail Insurance!

Ask your local insurance agent about "weather-tested" Hail Insurance certified by the Rain and Hail Insurance Bureau, or communicate with the address below for information without cost or obligation.

G. L. Booker, Supt., Hail Dept., 90 John Street, New York 7, N. Y.

THE ÆTNA FIRE GROUP • NORTH AMERICA COMPANIES
THE SPRINGFIELD FIRE GROUP

Our Advertisers Merit Your Business.

Big New Developments in ORCHARD SPRAYERS

New designs, new models, new methods of application are in store for buyers of Myers Sprayers. Ask your Myers dealer about the stepped-up speed and coverage and saving in manpower that will be offered by Myers. Also talk with him about your present sprayer needs and the many advancements included in the complete Myers line of orchard and row crop sprayers now available.

- NEW DESIGNS
- NEW TYPES
- MORE SPEED
- GREATER COVERAGE
- LESS MANPOWER
- EXCLUSIVE FEATURES
- IMPROVED PUMPS
- HIGH PRESSURES
- INCREASED CAPACITY

TAKE OFF YOUR HAT TO
MYERS
POWER and HAND SPRAYERS

THE F. E. MYERS & BRO CO.
Dept. A-122, Ashland, Ohio

Sprayers — Water Systems — Pumps — Hay Unloading Tools

Mention This Program When Writing Advertisers.

SPRING IS CANNING TIME!

TO most of us fall spells the time when the canneries hum with activity. But canning, whether it be fruits or vegetables, really begins in the spring. It is then that orchardists and crop growers start to protect the coming crop. Even before the sap rises, dormant fruit trees are sprayed—killing secreted eggs of insects waiting to hatch. And when the first green leaves of vegetable crops begin to sprout—spraying and dusting with specialized materials must be carried out to insure a bumper crop for marketing and canning.

Niagara scientists have worked closely with fruit and vegetable growers—giving them new and better materials to combat the persistent attack of insects and diseases. So, remember, canning time really begins with these protective measures to assure a maximum harvest.

The Niagara Organization is prepared to assist your every effort in solving insect and disease problems, and to recommend the proper dust or spray, as well as the mechanical apparatus for applying it, so that you may achieve maximum production at minimum cost.

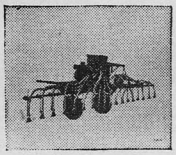
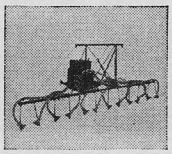
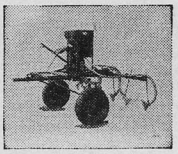
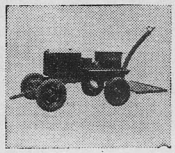
WHEN YOU BUY *Niagara* YOU BUY PROTECTION

NIAGARA SPRAYER AND CHEMICAL CO., INC.

MIDDLEPORT, NEW YORK

San Francisco, Calif. Jacksonville, Fla.

Canadian Associate:
Niagara Brand Spray Co., Ltd., Burlington, Ont.

★     ★

Delay May Not Pay. Order Now.

DO YOUR PART
TO
WIN THIS WAR

CONTINUE BUYING BONDS

DONATE YOUR BLOOD

SAVE KITCHEN FATS

STAY ON THE JOB

WE'VE JUST BEGUN TO FIGHT

THE GUY THAT RELAXES
IS HELPING THE AXIS.

Maryland State Horticultural Society

OFFICERS—1944

President—DWIGHT T. WALKER, Mt. Airy
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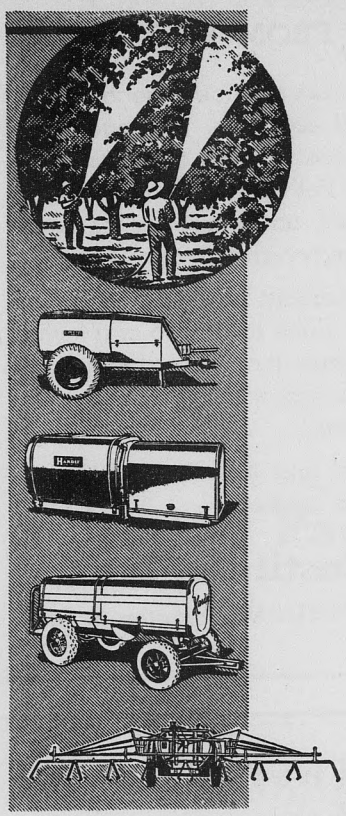
Delegates to Maryland Farm Bureau—E. Dwight McCain, Frederick; D. Eldred Rinehart, Smithsburg.

Directors to Appalachian Apple Service—E. D. McCain, Frederick; W. T. Delaplaine, Frederick; G. W. Gardenhour, Smithsburg; Lloyd Balderston, Colora; S. M. Fulton, Hancock.

Our Advertisers Have It. Read the Ads.



More Growers Will Get New Hardies This Year.

● Under new more liberal Federal quotas Hardie can build more sprayers this year than last. It may not mean that all growers who want new Hardies can get them, but a greater number now can be supplied than at any other time since the war started.

The Hardie you buy today still is the best sprayer that engineering and manufacturing skill can produce. No inferior materials will be used, no matter how difficult it may be to procure the highest quality. Workmanship will not be slighted.

New pumps, guns, hose, tanks—all repair and maintenance needs and labor-saving accessories are available from ample stocks without restriction.

THE HARDIE MFG. COMPANY

Hudson, Mich.

HARDIE DEPENDABLE SPRAYERS

...THE ONLY SPRAYER THAT IS COMPLETELY LUBRICATED

Read the Ads. Do It Now.

MAKE MORE PROFIT FROM FRUIT

Any profitable orchard program must provide a good supply and proper balance of all plant-food elements. Nitrogen and potash in about equal amounts are necessary for the production of good yields of high quality fruit. Potash gives vigor during growth, increases resistance to diseases, and improves the keeping quality. It also is necessary for a heavy growth of cover crops.

Ask your county agent or experiment station how much potash your soil will supply and how much to add to carry your crop through to profit. Then make sure that your dealer sells you a fertilizer containing enough to supply what you need. You will be surprised how little extra it costs.

Write us for further information and free literature on the profitable fertilization of crops.

American Potash Institute, Inc.

1155 Sixteenth St., N. W. Washington 6, D. C.

TO SERVE MARYLAND FRUIT GROWERS BETTER

We have plants located at Hagerstown, Md., Gettysburg, Milton, Butler, Lebanon, Everett and Chambersburg, Pa., Harrisonburg, Crimora and Elkton, Va., Chemical Lime Plant, Oranda, Va.

This enables us to give you prompt and efficient service.

SPRAYS AND DUSTS FOR EVERY PURPOSE

83% Oil Emulsion, Tar Oil Emulsions, D. N. Powder, Elgetol, Lime Sulphur Solution, Roof Paint, etc., etc.

FAMOUS FRUIT FOOD 10-6-4
for Your Orchard

FERTILIZER FOR ALL CROPS

Central Chemical Corporation

General Office—Hagerstown, Md.

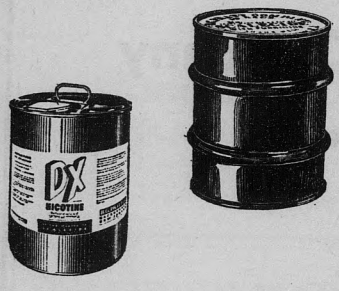
Marvil Package Company

Laurel, Delaware

Manufacturer of
Fruit and Vegetable
Packages

40

For forty years B. G. Pratt Products have been doing the hard jobs. Two generations of fathers and sons, and occasionally grandsons, testify to the achievements of these dependable sprays. If you have a special problem of scale control, codling moth, peach borers, or lime sulfur spray injury, ask our representative about it, or write us.



SCALECIDE. The only oil spray containing both vegetable and mineral oils. Does a most complete job. The safest oil spray to use.

D-X NICOTINE. A powerful nicotine spray of great penetration against aphis and sucking insects. Especially effective with arsenate of lead for difficult codling moth problems.

PARA-SCALECIDE. A combination of para-dichlorbenzene and Scalecide making a most effective peach borer control that is safe on young and old peach trees.

SPRAY CATALIZER. A spreader, sticker, and safener for lime sulfur and arsenate of lead, and other sulfur and lead combinations. Prevents the formation of black sludge.

Other Pratt Products—SPRA-CREAM, SUMMER SPRA-CREAM, D-X ROTENONE, SULFOCIDE, LINSO SOAP.

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Manufacturing Chemists

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